

ADSL2+

Total Access DSLAM 16-Port ADSL2+ Access Module

Product Features

- Provides 16 ports of ADSL2+, ADSL2, or ADSL
- AnnexL (READSL) and AnnexM (Double Upstream Bandwidth) supported
- 224 ports per Total Access 3000 DSLAM Chassis
- 1344 ports per Total Access HDX System
- Backward compatible with existing ADSL modems
- Software upgradable to support 2-pair bonding
- Supports separately configurable interface rates upstream and downstream
- Co-exists in the Total Access 3000 DSLAM with ADTRAN's Cell Switch Module or Ethernet Switch Module
- Onboard relays provide for metallic test access to the subscriber loops
- Supports craft interface management
- Supports Total Access EMS management with SNMP
- Incorporates front panel LEDs for power/card status and loop status
- Designed to UL 1950 and NEBS Level 3 requirements
- Industry-leading, 10-year warranty

As the popularity of Internet connectivity via ADSL increases, the need for extended reach and higher speeds also continues to increase. For this reason, ADTRAN is now supporting ADSL2+ in the Total Access® 3000 DSLAM.

ADSL2+ provides the bandwidth needed to support video applications including HDTV. The 16-Port ADSL2+ Access Module provides 16 individually configurable ports that support ADSL2+ as well as ADSL2, READSL (Reach ADSL), and ADSL. The ADSL2+ module also supports AnnexM which increases upstream bandwidth for more advanced home users or small business customers. Residing in two adjacent access module slots in the DSLAM, the 16-Port ADSL2+ module provides today's most popular DSL technology.

Flexible and configurable, ADTRAN's ADSL2+ module allows operators to configure upstream and downstream transmission rates, or the interfaces may be configured to adapt to the best possible rates available on the subscriber loop.

The ADSL2+ module co-exists in the DSLAM with ADTRAN's ATM Cell Switch Module or Ethernet Switch Module. The Cell Switch

Module provides all ATM cell-switching functions in the DSLAM and allows the DSLAM to be connected to an ATM network via OC-3c or DS3 connections.

The Ethernet Switch Module provides VC to VLAN switching and allows the DSLAM to be directly connected into an Ethernet network via a GigE network connection.

Front panel LEDs include power/card status and loop status for each subscriber loop. The module supports craft interface management. More comprehensive management is available using the Total Access Element Management System (EMS) with SNMP.

The 16-Port ADSL2+ Module interfaces with the SCU for SNMP management. Both provisioning and alarm/LED status is supported.

All provisioning of the module is handled through the SCU communication link. The unit retains provisioning data in a non-volatile memory device for recovery after a power loss, and supports optional autoprovisioning through the SCU.

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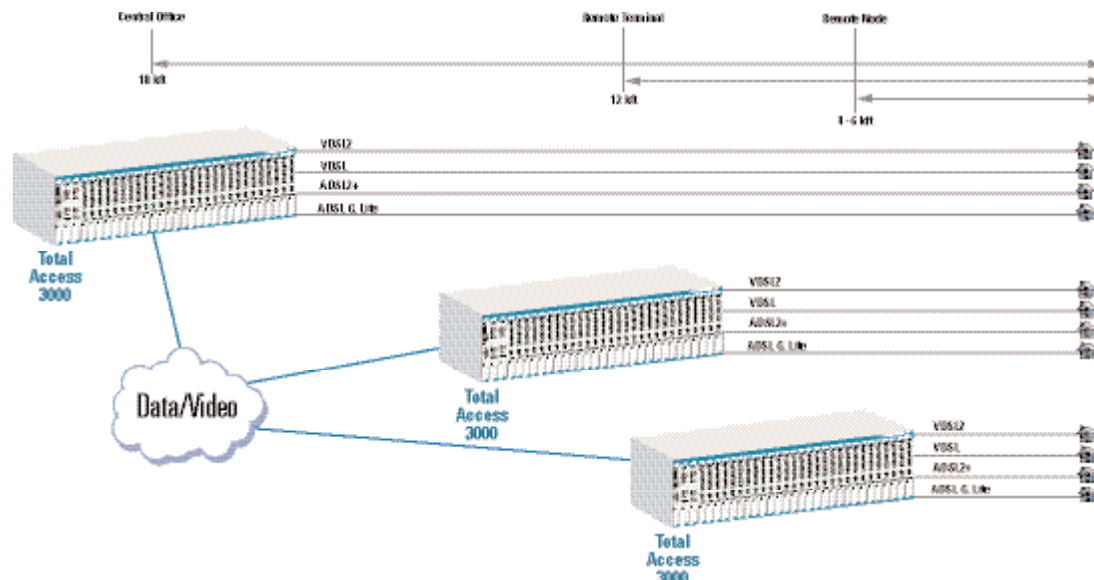
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ADSL2+

Total Access Systems™

Total Access DSLAM 16-Port ADSL2+ Access Module



Product Specifications

Faceplate Features

- Power LED
- 16 loop port indicators

Mechanical

- **Dimensions:** 5.35 in. H x 1.32 in. W x 10.20 in. D
- **Weight:** Less than 2 lbs.
- **Mounting:** Occupies two slots in a Total Access 3000 or 3010 chassis

Interfaces

- **Network Interface:** ATM upstream through the Cell Switch Module or Ethernet upstream through the Ethernet Switch Module
- **Subscriber Interface:** ADSL2+, ADSL, Full Rate, and G.lite, rate adaptive ADSL

Electrical

- **Power Requirements:** -42 to -56 VDC input voltage range

Regulatory Standards

- NEBS Level 3
- GR-1089-CORE
- NRTL wired

Management

- Craft interface, SNMP, TL1

Environmental

- **Operating:** -40°C to +65°C
- **Storage:** -40°C to +85°C
- **Relative Humidity:** Up to 95 percent, noncondensing

Ordering Information

Equipment	Part #
16-Port ADSL2+ Access Module	1181426L1

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